

# GARRET KERN

7114 Woodland Avenue, Takoma Park, MD 20912  
garretkern@gmail.com, 301-412-8530  
[garretkern.github.io](https://garretkern.github.io)

## EDUCATION

Brown University, Class of 2021  
Major: Computer Science, GPA: 3.78

## EXPERIENCE

- Activision, Information Security Intern Santa Monica, Summer 2019
- Developed company-wide minimum security baseline program
  - Performed third-party threat assessments
  - Assisted in incident response and vulnerability management
- TextUp, Frontend Engineer Intern Providence, Spring 2019
- Published an iOS app and Android app using Apache Cordova
  - Developed fingerprint authentication, in-app browsing, and contact onboarding features in Ember.js
  - Prototyped new features using wireframes in Figma
- National Institutes of Health, Data Science Intern D.C., Summer 2016, 2018
- Analyzed global spatial patterns of influenza using bayesian likelihood phylogenies
  - Developed a subsampling tool in Python for large scale genomic datasets
  - Visualized Norovirus and Swine Flu outbreaks in R

## SKILLS

Programming Languages

- Java, Python, SQL, Javascript, C, Node, R

Applications

- Git, \*nix CLI, BURP suite, Nmap, Wireshark, Nexpose Scanner, IBM BigFix

## COURSES

Web Security	Computer Systems	Software Engineering
Intro to Robotics	Design of Algorithms	Design of Programming Languages
Logic for Systems	Policy and Cybersecurity	Humanity Centered Robotics
Discrete Math	Linear Algebra	Computational Statistics

## ACTIVITIES

- Brown Outdoor Leadership Training Mentor Summer 2019
- Lead college sophomores on a 5 day backpacking trip to the White Mountains
  - 180 hours of training on inclusive leadership and outdoor tech skills
- Wilderness First Responder Certified (WFR) Spring 2019
- 60 hours of training in wilderness first aid and rescue